

1 What is claimed is:

2 1. A method for determining the level of fluid in a container comprising:  
3     obtaining a container having an outlet for a first fluid and an inlet for a second  
4     fluid;  
5     said container having a first fluid region therein;  
6     a first fluid being present at an original level in said first fluid region of said  
7     container;  
8     said container, for when in use, having said first fluid at least partially removed  
9     from said container thereby forming a second fluid region;  
10    placing on at least one exterior surface of said container at least one  
11    temperature-measuring device;  
12    at least one said temperature-measuring device being located in a region of said  
13    container where said second fluid region is formed by removal of said first fluid;  
14    initially observing a first temperature in said first fluid region of said container  
15    when said first fluid is present in said first fluid region of said container;  
16    subsequently observing a second temperature in said second fluid region of said  
17    container after a portion of said first fluid has been removed;  
18    correlating the difference between said first temperature and said second  
19    temperature to the level of said first fluid in said container.

20 2. The method for determining the level of said first fluid in said container  
21    according to claim 1 wherein said first fluid is at least partially withdrawn  
22    through said outlet between the time of observing said first temperature and  
23    said second temperature.

24 3. The method for determining the level of said first fluid in said container  
25    according to claim 1 wherein the second fluid is introduced through said inlet  
26    between the time of observing said first temperature and said second  
27    temperature.

28 4. The method for determining the level of said first fluid in said container  
29    according to claim 1 wherein said second fluid is a gas.

30 5. The method for determining the level of said first fluid in said container  
31    according to claim 1 wherein said second fluid is a gas.

1       6. The method for determining the level of said first fluid in said container  
2            according to claim 1 wherein said temperature-measuring device is adhered  
3            to an outer surface of said container as a magnetic strip.

4       7. The method for determining the level of said first fluid in a container according  
5            to claim 1 wherein a plurality of temperature-measuring device are  
6            sequentially located in the regions of said container where said second fluid  
7            region is formed by removal of said first fluid.

8       8. The method for determining the level of said first fluid in a container according  
9            to claim 1 wherein at least one temperature-measuring device is a eutectic  
10           temperature-measuring device.

11       9. The method for determining the level of said first fluid in said container  
12            according to claim 1 where said container is present in a location of low  
13            humidity at the time of the initial observing of the first temperature in said first  
14            fluid region of said container when said first fluid is present in said first fluid  
15            region of said container and at the time the subsequent observation of the  
16            second temperature in said second fluid region of said container after a  
17            portion of said first fluid has been removed.

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18       10. The method for determining the level of said first fluid in said container  
19            according to claim 9 wherein said container is in a refrigerator.

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20       11. The method for determining the level of said first fluid in said container  
21            according to claim 1 wherein said first fluid is a liquid.

22       12. The method for determining the level of said first fluid in said container  
23            according to claim 1 wherein said first fluid comprises beer and wherein said  
24            second fluid comprises carbon dioxide.

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25       13. The method for determining the level of said first fluid in said container  
26            according to claim 1 additionally comprising the step of wiping the  
27            temperature-measuring device with a water moistened cloth wherein the  
28            temperature of the water moistened cloth is less 105 ° F.

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29       14. The method for determining the level of said first fluid in said container  
30            according to claim 1 wherein the pressure within said container at 70 ° F is  
31            about 5 pounds per square inch to about 100 pounds per square inch.

1 15. A temperature-measuring device mounted on a magnetic strip said  
2 temperature measuring device having a width, a height, and a thickness,  
3 provided further that the dimensionless ratio of said width to said height is  
4 about 0.5 to about 10 to about 1 to about 5.

5 16. The temperature-measuring device according to claim 15 wherein the  
6 dimensionless ratio of said width to said height is about 0.7 to about 10 to  
7 about 1 to about 4.

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8 17. The temperature-measuring device according to claim 15 wherein said device  
9 measures temperatures in the range of about 34 ° F to about 94 ° F.

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10 18. The temperature-measuring device according to claim 15 wherein said device  
11 measures temperatures in the range of about 34 ° F to about 86 ° F.

12 19. A temperature-measuring device mounted on an adhesive strip said  
13 temperature measuring device having a width, a height, and a thickness,  
14 provided further that the dimensionless ratio of said width to said height is  
15 from about 0.5 to about 10 to about 1 to about 5.

16 20. The temperature-measuring device according to claim 19 wherein the  
17 dimensionless ratio of said width to said height is about 0.7 to about 10 to  
18 about 1 to about 4.

19 21. The temperature-measuring device according to claim 19 wherein said device  
20 measures temperatures in the range of about 34 ° F to about 94 ° F.

21 22. The temperature-measuring device according to claim 19 wherein said device  
22 measures temperatures in the range of about 34 ° F to about 86 ° F.

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23 23. A fluid dispensing assembly comprising:  
24 a sealed container, for when in use, containing a liquid under pressure;  
25 said sealed container having an exterior surface;  
26 said exterior surface of said sealed container having a heightwise dimension and a  
27 widthwise dimension;  
28 at least one temperature-measuring device positioned heightwise dimension on said  
29 exterior surface, provided further that said temperature-measuring device measures  
30 temperatures in the range of about 34 ° F to about 94 ° F.

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31 24. The temperature-measuring device according to claim 23 wherein said device

1                   measures temperatures in the range of about 34 ° F to about 80 ° F.

2       25. A flexible band temperature-measuring device capable of determining

3       a 2° F temperature change in the range of about 34 ° F to about 94 ° F.

4       26. The flexible band temperature-measuring device according to claim 25

5                   wherein said device measures temperatures in the range of about 34 ° F to

6                   about 80 ° F.

7       27. A device comprising a series of at least two substantially parallel strips having

8                   temperature-measuring capability.

9       28. The temperature-measuring device according to claim 27 wherein the said at

10                  least two substantially parallel strips are affixed to a flexible band.

11       29. The temperature-measuring device according to claim 28 wherein there are at

12                  least four substantially parallel strips.

13       30. The temperature-measuring device according to claim 30 wherein the at least

14                  two of the substantially parallel strips provide a discernible color change at

15                  least 15 ° F apart.

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